

Please amend claims 1, 2, 3, 7, 11, 15-19, 21, 24, 25, 28, 34, and 39 without prejudice or disclaimer.

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Please amend the claims to read in full as follows:

C 1 1. (Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a computer program residing in the memory, said computer program [including a  
5 object reference server mechanism for bootstrapping a remote second apparatus, said  
6 object reference server mechanism] enabling client object - server object interaction for a  
7 client object located on a zero install client, said client object - server object interaction  
8 being enabled by delivering an object reference for a naming context object [to said remote  
9 second apparatus] to said zero install client after said [upon request of said second  
10 apparatus] zero install client has contacted said computer program.

C2 1 2. (Amended) The apparatus of claim 1 wherein said computer program [object  
reference server mechanism] comprises a web server.

1 3. (Amended) The apparatus of claim 1 wherein said contact with said computer  
2 program is accomplished by [second apparatus comprises] a web browser located on said  
3 zero install client.

1 4. (Unchanged) The apparatus of claim 2 wherein said object reference is stored in a  
2 web server directory.



1 5. (Unchanged) The apparatus of claim 1 wherein said object reference comprises a  
2 stringified object reference.

1 6. (Unchanged) The apparatus of claim 1 wherein said object reference comprises a  
2 stringified object reference and wherein said naming context object comprises a root  
3 naming context object.

1 7. (Amended) A method for enabling client object - server object interaction  
C3 2 [bootstrapping an object client to a remote object server wherein the object server includes  
3 a plurality of objects including at least one naming context object], the method comprising  
4 the steps of:

5 a) creating an object reference for [said] at least one naming context object on a  
6 server system; and

7 b) [storing said object reference in a object reference server directory;

8 c) ]downloading said object reference from [said object reference server directory  
9 to an object client when said object client attempts to access objects on said remote object  
10 server] said server system to a client system after said client system has contacted said  
11 server system, said client system being a zero install client.

1 8. (Unchanged) The method of claim 7 wherein the step of creating an object  
2 reference comprises creating a stringified object reference.

1 9. (Unchanged) The method of claim 7 wherein said naming context object comprises  
2 a root naming context object.



1 11. (Amended) The method of claim 7 wherein said contact with said server system is  
2 accomplished by [object client comprises] a web browser executing on said client system  
3 and wherein the step of downloading said object reference [from said object reference  
4 server directory] comprises downloading by a web server application.

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2 15. (Amended) The method of claim 7 wherein said [object client] web browser  
comprises a Java-enabled web browser.

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1 16. (Amended) The method of claim 7 wherein said [object client] web browser  
2 comprises a Java-enabled web browser containing a CORBA compliant Java Object  
3 Request Broker.

1 17. (Amended) The method of claim 7 wherein [the object server is a part of a server  
2 system, and wherein] said server system further includes a location service application, and  
3 wherein said [object reference server comprises] step of downloading said object reference  
4 is performed by a web server application in said server system.

1 18. (Amended) The method of claim 17 wherein said web server [the object server]  
2 includes a name object server.

1 19. (Amended) The method of claim [7] 17 [wherein the object reference server  
2 comprises a web server and the object client comprises a web browser and] further  
3 comprising the steps of:  
4 downloading an applet from said web server to said web browser and running said  
5 applet on said web browser;  
6 downloading an object request broker from said web server;



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7 requesting said object reference from said web server; and  
8 retrieving a proxy for said naming context object using said retrieved object  
9 reference.

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1 20. (Unchanged) The method of claim 19 wherein the step of downloading said object  
2 request broker comprises downloading the class of said object request broker from the  
3 web server.

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1 21. (Amended) A program product comprising:

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2 (A)[ a computer program including a object reference server mechanism for  
3 bootstrapping a remote second apparatus, said object reference server mechanism  
4 delivering an object reference for a naming context object to said remote apparatus upon  
5 request of said apparatus] a computer program, said computer program enabling client  
6 object - server object interaction for a client object located on a zero install client, said  
7 client object - server object interaction being enabled by delivering an object reference for  
8 a naming context object to said zero install client after said zero install client has contacted  
9 said computer program; and

10 (B) signal bearing media bearing said computer program [object reference server  
11 mechanism].

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1 22. (Unchanged) The program product of claim 21 wherein the signal bearing media  
2 comprises recordable media.

1 23. (Unchanged) The program product of claim 21 wherein the signal bearing media  
2 comprises transmission media.



1 24. (Amended) The program product of claim 21 wherein said naming context object  
2 is delivered to [apparatus comprises] a remote web browser located on said zero install  
3 client.

1 25. (Amended) The program product of claim 21 wherein said [object reference server  
2 mechanism] computer program comprises a web server having access to said object  
3 reference.

1 26. (Unchanged) The program product of claim 21 wherein said object reference  
2 comprises a stringified object reference.

1 27. The program product of claim 21 wherein said object reference comprises a  
2 stringified object reference of a root naming context object.

1 28. (Amended) A program product comprising:  
2 (A) [a] an applet, said applet being used to retrieve [including an object reference  
3 uniform resource locator for retrieving] an object reference for a naming context object  
4 from a server apparatus; and  
5 (B) signal bearing media bearing said applet.

1 29. (Unchanged) The program product of claim 28 wherein the signal bearing media  
2 comprises recordable media.

1 30. (Unchanged) The program product of claim 28 wherein the signal bearing media  
2 comprises transmission media.



1 31. (Unchanged) The program product of claim 28 wherein the signal bearing media  
2 comprises the Internet.

1 32. (Unchanged) The program product of claim 28 wherein said server apparatus  
2 comprises a web server having access to said object reference.

1 33. (Unchanged) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a server system, said server system comprising:  
5 a) at least one object server, said at least one object server including a naming  
6 context object;  
7 b) a web server, said web server having access to a stringified object reference  
8 for said naming context object, wherein said web server downloads said  
9 stringified object reference to a web browser when said stringified object  
10 reference is requested by said web browser.

1 34. (Amended) A method for enabling client object - server object interaction  
2 [bootstrapping an object client to a remote object server wherein the object server includes  
3 a plurality of objects including at least one naming context object], the method comprising  
4 the steps of:  
5 a) creating an object reference for [said] at least one naming context object;  
6 b) storing said object reference in a web server directory;  
7 c) downloading an applet from a web server to a web browser and running said  
8 applet on said web browser;  
9 d) downloading an object request broker from said web server;



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- e) requesting said object reference from said web server; and  
f) retrieving a proxy for said naming context object using said retrieved object  
reference.

1 35. (Unchanged) The method of claim 34 wherein the object request broker comprises  
2 a Java object request broker.

1 36. (Unchanged) The method of claim 34 wherein the object reference comprises a  
2 stringified object reference.

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39. (Amended) The method of claim 34 wherein the step of downloading an object  
request broker comprises downloading a Java [java] object request broker.

REMARKS

These remarks are directed to the Examiner's final office action dated May 7, 1999  
in the parent application. Applicant respectfully requests reexamination and  
reconsideration of the outstanding rejections of the claims in view of the amendments  
above and remarks that follow. Applicants have amended claims 1, 2, 3, 7, 11, 15-19, 21,  
24, 25, 28, 34, and 39 without prejudice or disclaimer.